## UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE EXTENDING PATENT TERM UNDER 35 U.S.C. 156

#13

Patent No. : 4,284,647

Dated : August 18, 1981

Inventor(s) : Saul W. Brusilow et al

Patent Owner: The John Hopkins University

This is to certify that there has been presented to the

## COMMISSIONER OF PATENTS AND TRADEMARKS

an application under 35 U.S.C. 156 for an extension of the patent term. Since it appears that the requirements of law have been met, this certificate extends the term of the patent for the period of

## 2 YEARS

with all rights pertaining thereto as provided by 35 USC 156(b).

I have caused the seal of the Patent and Trademark Office to be affixed this Twenty-Eighth day of December 1988.

Donald J. Quigg

Assistant Secretary and Commissioner of Patents and Trademarks